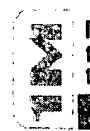


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L8	95	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((convert\$3) with energy)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	175	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	58	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	158	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	4	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	57	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	12	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with en	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	9	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	1220	((nonlinear or non-linear) adj (filter\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	48	((nonlinear or non-linear) adj (filter\$1)) and ((transfer\$4 or exchange\$3 or convert\$3) with eneg	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	45	((nonlinear or non-linear) adj (filter\$1)) and ((transfer\$4 or exchange\$3 or convert\$3) with ener	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	165	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((space or spatial) with domain)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	150	((nonlinear or non-linear) adj (system\$1 or filter\$1)) and ((space or spatial) with domain)) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	110	((nonlinear or non-linear) adj (filter\$1)) and ((space or spatial) with domain)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	106	((nonlinear or non-linear) adj (filter\$1)) and ((space or spatial) with domain)) and (spectr\$2 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	3	((nonlinear or non-linear) adj (filter\$1)) and ((space or spatial) with domain)) and (spectr\$2 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	8	((nonlinear or non-linear) adj (filter\$1)) and ((transfer\$4 or exchange\$3 or convert\$3) with ene	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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Stephen Billings

## EAST SEARCH

4/13/04

Results of search set L10:(nonlinear adj (system\$1 or filter\$1)) and ((transfer\$4 or exchange\$3 or convert\$3) with energy)  
and ((time or space or spatial) with domain) and (spectr\$2 or frequenc\$3))

Document/Kind Codes	Title	Issue Date	Current OR	Abstract
US 20040058343 A1	Method of using electromagnetic absorption or perturbation spectra, to diagnose and detect a	20040325	435/6	
US 20040037462 A1	Pattern recognition and other inventions	20040226	382/181	
US 20040033009 A1	Optimal bistable switching in non-linear photonic crystals	20040219	385/16	

US 20040002321 A1	Method and apparatus for reducing re-radiation using techniques of universal frequency trans	20040101 455/323
US 20030209893 A1	Occupant sensing system	20031113 280/735
US 20030181190 A1	Method and apparatus for improving dynamic range in a communication system	20030925 455/323
US 20030181189 A1	Method and apparatus for reducing DC offsets in communication systems using universal freq	20030925 455/314
US 20030181186 A1	Reducing DC offsets using spectral spreading	20030925 455/296
US 20030171107 A1	Differential frequency down-conversion using techniques of universal frequency translation tei	20030911 455/296
US 20030154061 A1	Method for semi-automatic generation and behavioral comparison of models	20030814 703/4
US 20030149962 A1	Simulation of designs using programmable processors and electronically re-configurable logic	20030807 717/135
US 20030147172 A1	Dynamic system control method	20030807 360/78.04
US 20030018400 A1	Method and apparatus for creating time-optimal commands for linear systems	20030123 700/29
US 20020183990 A1	Circuit simulation	20021205 703/2
US 20020148648 A1	Internal power source for downhole detection system	20021017 175/56
US 20020120906 A1	Behavioral modeling and analysis of galvanic devices	20020829 716/2
US 20020041460 A1	Dynamic system control method	20020411 360/69
US 20020041459 A1	Dynamic system control method	20020411 360/69
US 20020034191 A1	Method and apparatus for transmitting and receiving signals having a carrier interferometry ar	20020321 370/464
US 20010052035 A1	Dynamic system control method	20011213 710/5
US 6694196 B2	Method and apparatus for creating time-optimal commands for linear systems	20040217 700/28
US 6691802 B2	Internal power source for downhole detection system	20040217 175/56
US 6686879 B2	Method and apparatus for transmitting and receiving signals having a carrier interferometry an	20040203 342/367
US 6611764 B2	Method and system for determining P-wave and S-wave velocities from multi-component seisi	20030826 702/18
US 6560658 B2	Data storage device with quick and quiet modes	20030506 710/5
US 6505085 B1	Method and apparatus for creating time-optimal commands for linear systems	20030107 700/28
US 6496757 B1	Nonlinear contingency screening for voltage collapse	20021217 700/292
US 6435182 B1	Enhanced ventilation waveform device	20020820 128/204.21
US 6414780 B1	Photonic signal reflectivity and transmissivity control using a photonic band gap structure	20020702 359/241
US 6339701 B1	Method and apparatus for extending the dynamic range of a frequency mixer	20020115 455/112
US 6314473 B1	System for removing selected unwanted frequencies in accordance with altered settings in a l	20011106 710/5
US 6285767 B1	Low-frequency audio enhancement system	20010904 381/17
US 6208951 B1	Method and an apparatus for the identification and/or separation of complex composite signal:	20010327 702/191
US 6162488 A	Method for closed loop control of chemical vapor deposition process	20001219 427/8
US 6108385 A	Method and apparatus for reducing intermodulation distortion in digital wideband transmission	20000822 375/296
US 6067342 A	Digital filmless X-ray projection imaging system and method	20000523 378/19
US 6044162 A	Digital hearing aid using differential signal representations	20000328 381/312
US 6014249 A	Apparatus and method for the generation of high-power femtosecond pulses from a fiber amp	20000111 359/341.1
US 6005916 A	Apparatus and method for imaging with wavefields using inverse scattering techniques	19991221 378/87
US 5885225 A	System and method for the measurement of evoked otoacoustic emissions	19990323 600/559
US 5880877 A	Apparatus and method for the generation of high-power femtosecond pulses from a fiber amp	19990309 359/341.31
US 5812678 A	Auscultation augmentation device	19980922 381/67
US 5703313 A	Passive nonlinear filter for digital musical sound synthesizer and method	19971230 84/622
US 5701319 A	Method and apparatus for generating ultrashort pulses with adjustable repetition rates from pe	19971223 372/18
US 5651371 A	System and method for measuring acoustic reflectance	19970729 600/559

US 5594174 A	System and method for measuring acoustic reflectance	19970114 73/585
US 5515720 A	Acceleration based misfire detection system and method with improved signal fidelity	19960514 73/116
US 5486833 A	Active signalling systems	19960123 342/204
US 5430690 A	Method and apparatus for processing signals to extract narrow bandwidth features	19950704 367/135
US 5421211 A	Liquid flowmeter including doppler signal processing, and method	19950606 73/861.25
US 5245589 A	Method and apparatus for processing signals to extract narrow bandwidth features	19930914 367/136
US 4889526 A	Non-invasive method and apparatus for modulating brain signals through an external magnetic	19891226 600/14
US 4723536 A	External magnetic field impulse pacemaker non-invasive method and apparatus for modulating	19880209 600/14
US 4709391 A	Arrangement for converting an electric signal into an acoustic signal or vice versa and a non-li	19871124 381/98
US 4084103 A	System-state and operating condition sensitive control method and apparatus for electric pow	19780411 307/132R
US 4064444 A	Method and self-adapting damper system having energy balance	19771220 318/561
EP 1075734 B	Method of designing nonlinear system	19990908